

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the present application:

Listing of Claims:

1. (previously presented) A structural unit comprising:

a frame having a connecting face that surrounds an opening;

a cover that is attached to the connecting face to cover the opening, the frame and the cover being formed of materials with different coefficients of thermal expansion;

a channel on the connecting face that opens towards the cover; and at least one duct in communication with the channel such that a filling compound injected into the duct is received in the channel, the filling compound attaching the cover to the frame and providing a seal therebetween.
2. (previously presented) The structural unit according to claim 1, wherein the filling compound is a two-component adhesive.
3. (previously presented) The structural unit according to claim 1, wherein the filling compound is a reactively cross-linking adhesive.
4. (previously presented) The structural unit according to claim 1 wherein the filling compound is a polyurethane based material.
5. (previously presented) The structural unit according to claim 1, wherein the filling compound is a polyamide based adhesive.
6. (previously presented) The structural unit according to claim 1 wherein the filling compound is a hot-melt adhesive.
7. (previously presented) The structural unit according to claim 1, wherein the frame is made of a plastic material and the cover is made of metal.

8. (previously presented) The structural unit according to claim 1, wherein the structural unit is a housing.

9. (previously presented) The structural unit according to claim 8, wherein the housing has at least one electronic component thermally coupled to the cover.

10. (previously presented) The structural unit according to claim 9, wherein a contact passes through the frame and at least one cavity is provided in the frame that communicates with the channel and the contact so that the filling compound is received in the channel and surrounds the contact.

11. (previously presented) A method for the production of a structural unit comprising the steps of:

providing a frame having a connecting face that surrounds an opening, the connecting face having a channel,

providing a cover that attaches to the connecting face so that it covers the opening, the frame and the cover being made from materials with different coefficients of thermal expansion,

positioning the cover adjacent to the frame such that the cover lies on the connecting face, and

injecting a filling compound through at least one injection duct into the channel to connect the cover to the frame and seal a gap therebetween.

12. (previously presented) The method according to claim 11, wherein the filling compound is a two-component adhesive.

13. (previously presented) The method according to claim 11, wherein the filling compound is a reactively cross-linking adhesive.

14. (previously presented) The method according to claim 11, wherein the filling compound is a polyamide based adhesive.

15. (previously presented) The method according to claim 11, wherein the filling compound is a polyurethane based material.

16. (previously presented) The method according to claim 11, wherein the filling compound is a hot-melt adhesive.

17. (currently amended) The method according to claim 11, wherein,
the frame is provided with a cavity, and
at least one contact element is introduced into the frame such that it penetrates the frame and is received in the cavity (60), wherein the contact element is encapsulated by injection molding when the filling compound is injected into the cavity and a seal is produced between the contact element and the frame.